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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/827,315	04/06/2001	Jeremy C. Catt	3175-52	3647

21013 7590 11/04/2004

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EXAMINER	
EBRAHIMI DEHKORDY, SAEID	
ART UNIT	**PAPER NUMBER**
2626	

DATE MAILED: 11/04/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/827,315	CATT ET AL.	
	Examiner	Art Unit	
	Saeid Ebrahimi-dehKordy	2626	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☐ Responsive to communication(s) filed on _____.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-20* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-5,11-13 and 19-20* is/are rejected.

7)☒ Claim(s) *6-10 and 14-18* is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *10 October 2001* is/are: a)☐ accepted or b)☒ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date *9/26/02*.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made:

2. Claim 1-5 and 19-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over On et al (U.S. patent 6,175,428) in view of Bradley et al (U.S. patent 6,466,328).

Regarding claim 1 and 19 On et al disclose: An imaging system, comprising: an image processor configured to generate image data representing an image (please note Figs.2 and 4, item 260 the image processor, column 7 lines 24-26) a storage device configured to store the image data (please note Figs.2 and 4 item 280 column 7 lines 28-31 where the image data which was processed by the processor is stored in the memory 280) a print driver configured to generate instructions corresponding to the image data (please note Figs.2 and 4 item 240 the printer driver, column 7 lines 32-34) an image maker configured to generate a representation of the image in accordance with the drive instructions (please note Figs.2 and 4 item 250 the printer that prints the image data according to the printer driver 240 instructions). However On et al do not quite teach: a first communications network interconnecting the image processor and the print driver; and a second communications network, different than the first communications network, interconnecting the image processor, the print driver, and the storage device. On the other hand Bradley et al disclose: a first communications

network interconnecting the image processor and the print driver (please note Figs. 1 and 2 device 16a items 50 and 53 the image processor and printer driver respectively, column 7 lines 28-38) and a second communications network different than the first communications network (please note Fig.1 LAN item 20 and second network Wan item 26) interconnecting the image processor (please note Fig.1 item 16d the print driver (please note Fig.1 item 16d) and the storage device (please note Fig.1 device 18 item 84).

Therefore it would have been obvious to a person of ordinary skill in art at the time of the invention to modify On et al's invention according to the teaching of Bradley et al, where Bradley et al in the same filed of endeavor teach the way modification was made to the On et al to user the second network "Wan" to communicate with the server memory or the purpose of making the communication more robust.

Regarding claim 2 Bradley et al disclose: A system according to claim 1, wherein: the image processor is further configured to write the generated image data to the storage device via the second communications network (please note column 5 lines 57-66) and the print driver is further configured to read the stored image data from the storage device via the second communications network (please note column 7 lines 38-49).

Regarding claim 3 Bradley et al disclose: A system according to claim 2, wherein: the image processor is further configured to generate a message indicative of the image data having been written to the storage device and to transmit the message to the print driver via the first communications network (please note column 6 lines 18-31).

Regarding claim 4 and 20 On et al disclose: A system according to claim 1, wherein: the image processor is a raster image processor (please note column 7 lines 29-34) the storage device is part of a single pool of storage devices; the image maker is one of a color proofer and an image setter and the second communications network includes respective dedicated links between the image processor and the pool of storage devices and between the print driver and the pool of storage devices (please note Bradley et al, Fig.3 item 84 where the storage includes application programs, print spooler ,spool file).

Regarding claim 5 Bradley et al disclose: A system according to claim 4, wherein: the first communications network includes links having a first bandwidth; the dedicated links have a second bandwidth greater than the first bandwidth (please note column 4 lines 23-49).

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

4. Claims 11,13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bradley et al (U.S. Patent 6,466,328) in view of Ariga (U.S. patent 6,415,331)

Regarding claim 11 Bradley et al disclose: A method for generating a representation of an image, comprising: generating image data representing an image (please note Figs.2 and 4, item 260 the image processor, column 7 lines 24-26) writing

the generated image data to a storage device via a first communications network data (please note Figs.2 and 4 item 280 column 7 lines 28-31 where the image data which was processed by the processor is stored in the memory 280) reading the stored image data from the storage device via the first communications network (please note column 7 lines 38-49) generating instructions corresponding to the read image data and generating a representation of the image in accordance with the instructions (please note column 10 lines 21-28). However Bradley et al do not disclose: transmitting a notice of the generated image data having been written to the storage device via a second communications network different than the first communications network. On the other hand Ariga discloses: transmitting a notice of the generated image data having been written to the storage device via a second communications network different than the first communications network (please note Ariga, column 5 lines 39-49 where the notification is sent by the server to the LAN). Therefore it would have been obvious to a person of ordinary skill in art at the time of the invention to modify On et al' and Bradley et al, s invention according to the teaching of Ariga, where Ariga in the same filed of endeavor teach the way modification was made to the On et al and Bradley et al to user the pstn network to notify the LAN network as of the status of the reception of the data for the purpose of making the transmission of data more effective.

Regarding claim 13 Bradley et al disclose: A method according to claim 12, wherein: the dedicated links have a first bandwidth; and links within the second communications network have a second bandwidth less than the first bandwidth (please note column 4 lines 23-49).

5. Claim 12 rejected under 35 U.S.C. 103(a) as being unpatentable over Bradley et al (U.S. Patent 6,466,328) in view of Ariga (U.S. patent 6,415,331), and further in view of On et al (U.S. patent 6,175,428).

Regarding claim 12 Neither Bradley et al nor Ariga disclose: A method according to claim 11, wherein: the generated image data is generated raster image data the generated image representation is one of a color proof of the image and the image the generated raster image data is written to the storage device via a first dedicated communications link within the first communications network and the stored raster image data is read from the storage device via a second dedicated communications link within the first communications network. On the other hand On et al disclose: A method according to claim 11, wherein: the generated image data is generated raster image data (please note column 7 lines 31-33) the generated image representation is one of a color proof of the image and the image the generated raster image data is written to the storage device via a first dedicated communications link within the first communications network and the stored raster image data is read from the storage device via a second dedicated communications link within the first communications network (please note column 7 lines 25-35).

Therefore it would have been obvious to a person of ordinary skill in art at the time of the invention to modify Ariga and Bradley et al, s invention according to the teaching of On et al, where On et al in the same filed of endeavor teach the way modification data generated is raster data and stored in the memory containing raster data for the purpose of making the whole system more effective.

Allowable Subject Matter

6. Claims 6-10 and 14- 18 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The feature of print driver to further being configured to transmit to the image processor, Via the first communication network a product identifier for a destination storage device at which the image data generated by the image processor is to be stored in combination with the other element of the claims makes the claims object able.

Contact Information

- Any inquiry concerning this communication or earlier communications from the examiner should be directed to *Saeid Ebrahimi-Dehkordy* whose telephone number is (703) 306-3487.

The examiner can normally be reached on Monday through Friday from 8:00 a.m. to 5:30 p.m. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kimberly Williams, can be reached at (703) 305-4863.

Any response to this action should be mailed to:

Assistant Commissioner for Patents
Washington, D.C. 20231

Or faxed to:

(703) 872-9306, or (703) 308-9052 (for ***formal*** communications; please mark
"EXPEDITED PROCEDURE")

Or:

(703) 306-5406 (for ***informal*** or ***draft*** communications, please label "PROPOSED" or "DRAFT")

Hand delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA., Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application should be directed to the Group Receptionist whose telephone number is (703) 305-4750.

Saeid Ebrahimi-Dehkordy
Patent Examiner
Group Art Unit 2626
October 27 2004

KIMBERLY WILLIAMS
SUPERVISORY PATENT EXAMINER